

## CLAIMS

- [1] A stethoscope head comprising a head main body portion and a conduit connecting portion provided on said head main body portion, said head main body portion comprises a main head portion and a sub-head portion formed from a transparent or semitransparent element in the opposite direction each other with said conduit connecting port put therebetween; said main head portion comprises a transparent or semitransparent main diaphragm connected to said conduit connecting port, and said sub-head portion is provided with spaces for receiving a sub-diaphragm for high frequency stethoscope and or narrow zone stethoscope or various functions; and there is provided mounting means for mounting said sub-diaphragm or said apparatus on said sub-head portion.
- [2] The stethoscope head according to Claim 1, wherein said mounting means has a detachable elastic member fitted in the outer circumferential edge of said sub-head portion.
- [3] The stethoscope head according to Claim 2, further comprising a washer member mounted on the outer circumferential edge of the sub-head portion by the elastic ring member to detain the apparatus within the spaces.
- [4] The stethoscope head according to Claim 1, wherein said mounting means comprises a rotatable cam connected to said apparatus, a driving portion to be moved in a horizontal direction by the cam, and an O-ring fitted in the outer circumferential portion of said driving portion, and the cam connected to said apparatus is rotated whereby a part of the outer circumferential portion of said driving portion is pressed against the inner wall of a space of the sub-head portion so that said apparatus is mounted on said sub-head portion.
- [5] The stethoscope head according to Claim 4, said driving portion has a space for receiving said cam.
- [6] The stethoscope head according to Claim 5, wherein the maximum rotational angle of said cam is 90 degrees.

- [7] The stethoscope head according to Claim 1, wherein elements of said main head portion and said sub-head portions are any of metal, acrylic resin or glass.
- [8] The stethoscope head according to Claim 1, wherein said main diaphragm is formed from a transparent or semitransparent epoxy resin or nylon.
- [9] The stethoscope head according to Claim 1, wherein said main head portion and said sub-head portion are constructed such that they are fitted each other by a fitting type fitting portion.
- [10] The stethoscope head according to Claim 1, wherein said apparatus is a stop-watch, a watch, a liquid-transport meter, a pulse meter or a thermometer.
- [11] A stethoscope comprising a stethoscope head according to any of Claims 1 to 3, a stethoscope head, a conduit for guiding a stethoscope sound connected to said stethoscope head, an ear pipe connected to said conduit, and an ear tip connected to said ear pipe.
- [12] A stethoscope comprising a stethoscope head according to any of Claims 4 to 11, a stethoscope head, a conduit for guiding a stethoscope sound connected to said stethoscope head, an ear pipe connected to said conduit, and an ear tip connected to said ear pipe.